

[Method of Manufacturing A Permanent Magnet Using Kinetic Spray]

Abstract of Disclosure

A method of manufacturing a permanent magnet by the steps of preparing an admixture of magnetic material and binder material, the admixture material having a particle size of less than 325 mesh. Then heating a carrier gas to a temperature substantially below the melting point of either component of the admixture. The admixture is introduced into the carrier gas and the admixture is sprayed atop a ductile carrier. The admixture adheres to the carrier and forms a solid permanent magnet. An electric field is applied to the sprayed admixture to create a permanent magnetic moment.

Figures